

End of Result Set

L1: Entry 2 of 2

File: DWPI

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DERWENT-ACC-NO: 1998-097571

DERWENT-WEEK: 200317

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TITLE: Optical recording/reproducing apparatus for optical disk - has time signal generator from which time signal for actuating movable unit and focus controller is generated based on detected conveyance state of beam on recording surface

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PATENT-ASSIGNEE: MATSUSHITA ELECTRIC IND CO LTD (MATU), MATSUSHITA DENKI SANGYO KK (MATU)

PRIORITY-DATA: 1996JP-0081245 (April 3, 1996), 1995JP-0191680 (July 27, 1995)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|-------------------|----------|-------|-------------|
| CN 1379400 A | November 13, 2002 | | 000 | G11B007/09 |
| JP 09326123 A | December 16, 1997 | | 048 | G11B007/085 |
| KR 97007880 A | February 21, 1997 | | 000 | G11B007/08 |
| US 6011762 A | January 4, 2000 | | 000 | G11B007/00 |
| KR 237914 B1 | January 15, 2000 | | 000 | G11B007/08 |
| CN 1151581 A | June 11, 1997 | | 000 | G11B007/13 |
| US 6298019 B1 | October 2, 2001 | | 000 | G11B007/00 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|--------------|------------------|----------------|------------|
| CN 1379400A | July 26, 1996 | 1996CN-0113227 | Div ex |
| CN 1379400A | July 26, 1996 | 2001CN-0119458 | |
| JP 09326123A | July 24, 1996 | 1996JP-0194202 | |
| KR 97007880A | July 27, 1996 | 1996KR-0030811 | |
| US 6011762A | July 29, 1996 | 1996US-0688294 | |
| KR 237914B1 | July 27, 1996 | 1996KR-0030811 | |
| CN 1151581A | July 26, 1996 | 1996CN-0113227 | |
| US 6298019B1 | July 29, 1996 | 1996US-0688294 | Div ex |
| US 6298019B1 | October 29, 1999 | 1999US-0430040 | |
| US 6298019B1 | | US 6011762 | Div ex |

INT-CL (IPC): G11 B 7/00; G11 B 7/08; G11 B 7/085; G11 B 7/09; G11 B 7/13; G11 B 7/135; G11 B 21/02

ABSTRACTED-PUB-NO: JP 09326123A

BASIC-ABSTRACT:

The apparatus has a conveyance lens (105) by which the light beam from a laser source (108) is irradiated on a disk (10) with two information recording surfaces. A converging point (107) on the recording surface is moved vertically to the information recording surface of the disk by a movable unit. The reflected beam from the disk is received by a optical detector (113) based on which the conveyance state of the light beam on the information recording surface is detected. Based on the

convergence state detection result, the timing signal is generated which drives the movable unit and a focus controller (101).

The convergence state of the beam is moved into the predetermined state on the recording surface, by the focus controller. When the acceleration signal is generated so that the convergence beam is turn to the next recording surface on the disk. Thus the moving speed of the movable unit is adjusted to focus the convergence point on the disk at the predetermined state.

ADVANTAGE - Enables stable switching operation of beam from first recording surface to second recording surface.

ABSTRACTED-PUB-NO: US 6011762A

EQUIVALENT-ABSTRACTS:

The apparatus has a conveyance lens (105) by which the light beam from a laser source (108) is irradiated on a disk (10) with two information recording surfaces. A converging point (107) on the recording surface is moved vertically to the information recording surface of the disk by a movable unit. The reflected beam from the disk is received by a optical-detector (113) based on which the conveyance state of the light beam on the information recording surface is detected. Based on the convergence state detection result, the timing signal is generated which drives the movable unit and a focus controller (101).

The convergence state of the beam is moved into the predetermined state on the recording surface, by the focus controller. When the acceleration signal is generated so that the convergence beam is turn to the next recording surface on the disk. Thus the moving speed of the movable unit is adjusted to focus the convergence point on the disk at the predetermined state.

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The convergence state of the beam is moved into the predetermined state on the recording surface, by the focus controller. When the acceleration signal is generated so that the convergence beam is turn to the next recording surface on the disk. Thus the moving speed of the movable unit is adjusted to focus the convergence point on the disk at the predetermined state.

ADVANTAGE - Enables stable switching operation of beam from first recording surface to second recording surface.

CHOSEN-DRAWING: Dwg.1/29

DERWENT-CLASS: T03 W04

EPI-CODES: T03-B02A; T03-N01; W04-C03; W04-C10A;